

Contents

Volume 58 (1991)

Nos. 1, 2

B. Bechinger and J. Seelig (Basel, Switzerland), <i>Conformational changes of the phosphatidylcholine headgroup due to membrane dehydration. A²H-NMR study</i>	1
E. Perochon and J.-F. Tocanne (Toulouse, France), <i>Synthesis and phase properties of phosphatidylcholine labeled with 8-(2-anthroyl)-octanoic acid, a solvatochromic fluorescent probe</i>	7
J. Joseph, C.C.-Y. Shih and C.-S. Lai (Milwaukee, WI), <i>Synthesis of the spin-labeled derivative of an ether-linked phospholipid possessing high antineoplastic activity</i>	19
J. Kruk and K. Strařka (Cracow, Poland), <i>Charge-transfer complexes of plastoquinone and α-tocopherol quinone in unsaturated fatty acids and temperature dependences of their absorption spectra</i>	27
P.E. Sonnet (Philadelphia, PA), <i>A short highly regio- and stereoselective synthesis of triacylglycerols</i>	35
S.L. Blechner, W. Morris, P.E. Schoen, P. Yager, A. Singh and D.G. Rhodes (Farmington, CT, Washington, DC and Seattle, WA), <i>Structure of polymerizable lipid bilayers III: two heptacosadiynoyl phosphatidylcholine isomers</i>	41
A. Salmon and T. Wiedmann (Minneapolis, MN), <i>The effect of lung surfactant apolipoproteins B/C on the chemical shift anisotropy of sn-2-[1-¹³C]dipalmitoylphosphatidylcholine</i>	55
M.R. Morrow, R. Srinivasan and N. Grandal (Newfoundland, Canada), <i>The phase diagram of dimyristoyl phosphatidylcholine and chain-perdeuterated distearoyl phosphatidylcholine: A deuterium NMR spectral difference study</i>	63
A. Ambrosini, E. Bertoli, G. Zolese and F. Tanfani (Ancona, Italy), <i>Interaction of tributyltin acetate and tributyltin chloride with dipalmitoyl phosphatidylcholine model membrane</i>	73
J.G. Turcotte, W.H. Lin, N.C. Motola, P.E. Pivarnik, N.N. Bhongle, H.R. Heyman, S.S. Shirali, Z. Lu and R.H. Notter (Kingston, RI and Rochester, NY), <i>Chemical synthesis and surface activity of lung surfactant phospholipid analogs. III. Chiral N-substituted ether-amide phospholipids</i>	81
D.A. Driscoll, J. Jonas and A. Jonas (Urbana, IL), <i>High pressure ²H nuclear magnetic resonance study of the gel phases of dipalmitoylphosphatidylcholine</i>	97
V. Vill and N. Weber (Hamburg and Münster, Germany), <i>Steroidal ether lipids with liquid crystalline properties</i>	105
B.L. Naylor, M. Picardo, R. Homan and H.J. Pownall (Houston, TX), <i>Effects of fluorophore structure and hydrophobicity on the uptake and metabolism of fluorescent lipid analogs</i>	111
R. Schubert, H. Wolburg, K.-H. Schmidt and H.J. Roth (Tübingen, F.R.G.), <i>Loading of preformed liposomes with high trapping efficiency by detergent-induced formation of transient membrane holes</i>	121
M. Kellens, W. Meeussen, R. Gehrke and H. Reynaers (Leuven and Izegem, Belgium and Hamburg, Germany), <i>Synchrotron radiation investigations of the polymorphic transitions of saturated monoacid triglycerides. Part 1: Tripalmitin and tristearin</i>	131
M. Kellens, W. Meeussen, A. Hammersley and H. Reynaers (Leuven and Izegem, Belgium and Grenoble, France), <i>Synchrotron radiation investigations of the polymorphic transitions in saturated monoacid triglycerides. Part 2: Polymorphism study of a 50:50 mixture of tripalmitin and tristearin during crystallization and melting</i>	145
F.D. Gunstone (Fife, U.K.), <i>The ¹³C-NMR spectra of six oils containing petroselinic acid and of aquilegia oil and meadowfoam oil which contain Δ5 acids</i>	159
Short communications	
L. Finegold and M.A. Singer (Philadelphia, PA and Ontario, Canada), <i>Cholesterol-multilipid interactions in bilayers</i>	169

D.G. Reid, L.K. MacLachlan, K.E. Suckling, A. Gee, S. Cresswell and C.J. Suckling (Welwyn and Glasgow, U.K.), <i>A fluorine-19 and deuterium NMR study of two novel fluorosterols and their properties in model membranes and high density lipoprotein</i>	175
Announcement.....	183
 No. 3	
A.L. Rabinovich and P.O. Ripatti (Petrozavodsk, U.S.S.R.) <i>The flexibility of natural hydrocarbon chains with non-methylene-interrupted double bonds</i>	185
S.D. Stamatov and S. Gronowitz (Plovdiv, Bulgaria and Lund, Sweden), <i>1,2,- and 1,3-cyclic monoalkyl-rac-glycerothiophosphates of dehydroisoandrosterone</i>	193
J.G. Molotkovsky, I.I. Mikhalyov, A.B. Imbs and L.D. Bergelson (Moscow, U.S.S.R.) <i>Synthesis and characterization of new fluorescent glycolipid probes. Molecular organisation of glycosphingolipids in mixed-composition lipid bilayers</i>	199
A.B. McKague and D.W. Reeve (Toronto, Canada), <i>Chlorination of linoleic acid</i>	213
F.D. Gunstone (Fife, U.K.), <i>¹³C-NMR studies of mono-, di- and tri-acylglycerols leading to qualitative and semiquantitative information about mixtures of these glycerol esters</i>	219
A. Cao, E. Hantz-Brachet, B. Azize, E. Taillandier and G. Perret (Bobigny, France), <i>The interaction of D-propranolol and dimyristoyl phosphatidylcholine large unilamellar vesicles investigated by quasielastic light scattering and Fourier-transform infrared spectroscopy</i>	225
D. Blöcher and K. Ring (Frankfurt, Germany), <i>Mixtures of tetraetherlipids from Thermoplasma acidophilum with varying degrees of cyclization show a kinetic effect for a metastable phase</i>	233
W.-g. Wu, S.-W. Leu, C.-H. Hsieh and L.-M. Chi (Taiwan, R.O.C.) <i>The order of phosphatidylcholine head-group in sonicated cholesterol/phospholipid vesicles as revealed by ¹H-NMR</i>	241
 Short Communications	
J.M. Smaby and H.L. Brockman (Austin, U.S.A.), <i>A simple method for estimating surfactant impurities in solvents and subphases used for monolayer studies</i>	249
J.S. Chappell and P. Yager (Seattle, WA), <i>A model for crystalline order within helical and tubular structures of chiral bilayers</i>	253
Subject Index — Volume 58	259
Author Index — Volume 58	263
Contents — Volume 58	265

